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ABSTRACT

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5 An enclosed type air cooler device of the enclosed type rotational electrical machine discloses an innovative design of an enclosed type air cooler device of a rotational electrical machine, wherein it is comprised of that a air inlet and an air outlet are provided at its casing and through a fan simultaneously driven by the power output shaft of the rotational electrical machine, or an independently installed 10 fan device or both of them installed simultaneously to pump the air or other selected gases inside the rotational electrical machine to allow the cooling air stream flow through the outlet to the enclosed type air cooler for indirect heat dissipation, then is pumped back to the rotational electrical machine; thereof the cooler device and the rotational 15 electrical machine casing appear individually independent structures and are further combined, or it and the rotational electrical machine appear in an integrated structure, or it and the casing of other peripheral mechanisms with cooling effects (such as the driving device casing or load 20 casing) appear in an integrated structure; therein outside of the cooler device can be installed with heat dissipating fins for free air cooling or fanned air cooling or coolant cooling, whereof the cooler devices are constituted by tubular shape structures or other geometric shape structures, whereof its 25 interior appears in tubular shape or air chamber type structures and the heat absorbing fins can be installed to absorb and transfer the heat energy for dissipation to the outside; wherein the internal air flow circuit or air chamber can be an empty space or can be installed with a air filter 30

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